tronic component to the second set of conductive traces includes soldering a second die to the second layer of conductive traces.

[0066] Example 22 includes the method of making a stretchable computing system of any one of examples 20-21, wherein adding a first set of flexible conductors to the stretchable member includes adding meandering conductors to the stretchable member, and wherein adding a second set of flexible conductors to the stretchable member includes adding meandering conductors to the stretchable member.

[0067] Example 23 includes the method of making a stretchable computing system of any of examples 20-22, and further including adding additional stretchable material to the stretchable member such that the second set of conductive traces and the second component are at least partially surrounded by the stretchable member.

[0068] This overview is intended to provide non-limiting examples of the present subject matter. It is not intended to provide an exclusive or exhaustive explanation. The detailed description is included to provide further information about the methods.

[0069] The above detailed description includes references to the accompanying drawings, which form a part of the detailed description. The drawings show, by way of illustration, specific embodiments in which the invention can be practiced. These embodiments are also referred to herein as "examples." Such examples can include elements in addition to those shown or described. However, the present inventors also contemplate examples in which only those elements shown or described are provided. Moreover, the present inventors also contemplate examples using any combination or permutation of those elements shown or described (or one or more aspects thereof), either with respect to a particular example (or one or more aspects thereof), or with respect to other examples (or one or more aspects thereof) shown or described herein.

[0070] In this document, the terms "a" or "an" are used, as is common in patent documents, to include one or more than one, independent of any other instances or usages of "at least one" or "one or more." In this document, the term "or" is used to refer to a nonexclusive or, such that "A or B" includes "A but not B," "B but not A," and "A and B," unless otherwise indicated. In this document, the terms "including" and "in which" are used as the plain-English equivalents of the respective terms "comprising" and "wherein." Also, in the following claims, the terms "including" and "comprising" are open-ended, that is, a system, device, article, composition, formulation, or process that includes elements in addition to those listed after such a term in a claim are still deemed to fall within the scope of that claim. Moreover, in the following claims, the terms "first," "second," and "third," etc. are used merely as labels, and are not intended to impose numerical requirements on their objects.

[0071] The above description is intended to be illustrative, and not restrictive. For example, the above-described examples (or one or more aspects thereof) may be used in combination with each other. Other embodiments can be used, such as by one of ordinary skill in the art upon reviewing the above description.

[0072] The Abstract is provided to comply with 37 C.F.R. §1.72(b), to allow the reader to quickly ascertain the nature of the technical disclosure. It is submitted with the understanding that it will not be used to interpret or limit the scope or meaning of the claims.

[0073] Also, in the above Detailed Description, various features may be grouped together to streamline the disclosure. This should not be interpreted as intending that an unclaimed disclosed feature is essential to any claim. Rather, inventive subject matter may lie in less than all features of a particular disclosed embodiment. Thus, the following claims are hereby incorporated into the Detailed Description, with each claim standing on its own as a separate embodiment, and it is contemplated that such embodiments can be combined with each other in various combinations or permutations. The scope of the invention should be determined with reference to the appended claims, along with the full scope of equivalents to which such claims are entitled.

1. A stretchable computing system, comprising:
- a first set of conductive traces attached to a stretchable member;
- a first electronic component and a conductive pillar attached to the first set of conductive traces;
- a first set of flexible conductors attached to the stretchable member such that the first set of flexible conductors is electrically connected to the first set of conductive traces;
- a stretchable material added to the stretchable member such that the first set of conductive traces and the conductive pillar are at least partially surrounded by the stretchable member;
- a second set of conductive traces attached to the stretchable member such that the second set of conductive traces is electrically connected to the pillar;
- a second electronic component attached to the second set of conductive traces; and
- a second set of flexible conductors added to the stretchable member such that the second set of flexible conductors is electrically connected to the second set of conductive traces.

2. The stretchable computing system of claim **1**, wherein the conductive pillar is integral with the first set of conductive traces.

3. The stretchable computing system of claim **1**, wherein the conductive pillar is soldered to the first set of conductive traces.

4. The stretchable computing system of claim **1**, wherein the conductive pillar is a via that is part of second set of conductive traces and fills an opening in the stretchable member.

5. The stretchable computing system of claim **1**, wherein the stretchable member is an elastomer.

6. The stretchable computing system of claim **1**, wherein the first set of flexible conductors are meandering conductors, wherein the second set of flexible conductors are meandering conductors.

7. The stretchable computing system of claim **1**, wherein the first set of flexible conductors and the second set of flexible conductors are formed of conductive ink.

8. The stretchable computing system of claim **1**, wherein the first electronic component is an electronic package and the second electronic component is an electronic package.

9. The stretchable computing system of claim **8**, further comprising additional stretchable material attached to the stretchable member such that the second set of conductive traces and the second component are at least partially surrounded by the stretchable member.

10. A method of making a stretchable computing system, comprising: